TEST REPORT OF PHYSICAL PROPERTIES OF CEMENT - 53 Grade

Lab ID : CP-2017-06-16-02 **Date: 20-06-2017**

Customer : Assistant Executive Engineer, Yelahanka New Town Sub Division, BBMP, Bangalore.

Address : Yelahanka New Town Sub Division, BBMP, Bangalore.

Project Name : Providing of Cobble stone footpath at Ward No: Attur

Agency : Technical Manager (West), KRIDL, BBMP, Bangalore.

Customer's Reference : BBMP/EE(YNK.D)/W.O/70/2016-17

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 16-06-17

Sample ID No : 2017-06-16-02-01

Sample Type : Birla Super 53 grade

Reference to BIS codes : IS 12269 : 2013, 53 Grade Ordinary Portland cement Specification ,
IS 4031 (Part 1,2 3,4,5, 6,11):1988
IS 4031 Part 1 DETERMINATION OF FINENESS BY DRY SIEVING, Clause 4.4
IS 4031 Part 2, Determination of Fineness by Blaine Air Permeability Method, Clause 5
IS 4031 Part 3, Determination of Soundness, Clause 5,Clause 6
IS 4031 Part 4, Determination of Consistency of Standard Cement Paste, Clause 5
IS 4031 Part 5, Determination of Initial & Final Setting Time, Clause 5
IS 4031 Part 11,DETERMINATION OF DENSITY , Clause 6

Date of test : 19-06-17

Sl.No.	Physical properties	Results	Requirement as per IS 12269: 2013
1	Fineness by dry sieving (%)	2.92	–
2	Finess by Air permeablity method (m^2/kg, Min)	277.2	225m^2/kg, Min
3	Density (gm/cc)	3.18	–
4	Standard Consistency (%)	28.5%	Not specified
5	Initial Setting time	185 minutes	Not less than 30 minutes
6	Final Setting time	260 minutes	Not more than 600 minutes
7	Soundness (Le Chatelier's Method)	1.0mm	Not more than 10 mm

Note:
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Prepared by
Harshitha

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P. KARTHIK RECHAN
Authorized Signatory
Quality Manager

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TEST REPORT ON COARSE AGGREGATES

Lab ID	:	**CP-2017-06-16-02** **Date: 20-06-2017**
Customer	:	Assistant Executive Engineer, Yelahanka New Town Sub Division, BBMP, Bangalore.
Address	:	Yelahanka New Town Sub Division, BBMP, Bangalore.
Project Name	:	Providing of Cobble stone footpath at Ward No: Attur
Agency	:	Technical Manager (West), KRIDL, BBMP, Bangalore.
Customer's Reference	:	BBMP/EE(YNK.D)/W.O/70/2016-17
Source of Sample	:	Sample supplied by Agency
Sample condition	:	Satisfactory
Date of Receipt	:	16-06-17
Sample ID No	:	2017-06-16-02-02(b)
Sample Type	:	40mm down size coarse aggregate
Reference to BIS codes	:	IS: 383:2016 (Specification for Coarse and fine Aggregates) IS: 2386 :1963(Part - 1,3,4) RA2011 IS 2386 Part 1: Particle Size and Shape IS 2386 Part 3: Specific gravity, Density, Voids,Water Absorption IS 2386 Part 4: Mechanical Properties
Date of test	:	16-06-17

SIEVE ANALYSIS (PARTICLE SIZE DISTRIBUTION) OF 40MM DOWN COARSE AGGREGATE:

Total weight taken : 15000 grams

Sample No.	Sieve No.	Weight Retained in gms	Cumulative Weight Retained in gms	% Cumulative Weight Retained	% Passing	Required as per IS 383:2016
1	80 mm	0	0	0.0	100	100
2	40 mm	289	289	1.9	98.1	90-100
3	20 mm	5120	5409	36.1	63.9	30-70
4	10 mm	4700	10109	67.4	32.6	10-35
5	4.75 mm	4500	14609	97.4	2.6	0-5
6	Pan	391	15000	100.0	0	---

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TEST REPORT ON COARSE AGGREGATES

Lab ID : **CP-2017-06-16-02** **Date: 20-06-2017**

Sample ID No : 2017-06-16-02-02(b)

PHYSICAL PROPERTIES

Sl.no	Tests	Result	Requirements as per IS:383-2016
1	Flakiness Index(%)	13.4	Combined Flakiness & Elongation Index Shall not Exceed 40% for Uncrushed & Crushed Aggregate
2	Elongation Index(%)	12.7	
3	Specific Gravity	2.65	_
4	Bulk Density(Loose) (Kg/l)	1.55	_
5	Bulk Density(Compacted) (Kg/l)	1.59	_
6	Water Absorption(%)	0.23	_

Note:

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Prepared by
Harshitha

FOR CIVIL Pro.

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R KARTHIK RECHAN
Authorized Signatory
Quality Manager

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TEST REPORT ON COARSE AGGREGATES

Lab ID	:	**CP-2017-06-16-02** **Date: 20-06-2017**
Customer	:	Assistant Executive Engineer, Yelahanka New Town Sub Division, BBMP, Bangalore.
Address	:	Yelahanka New Town Sub Division, BBMP, Bangalore.
Project Name	:	Providing of Cobble stone footpath at Ward No: Attur
Agency	:	Technical Manager (West), KRIDL, BBMP, Bangalore.
Customer Reference	:	BBMP/EE(YNK.D)/W.O/70/2016-17
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	16-06-17
Sample ID No	:	2017-06-16-02-02(a)
Sample Type/ Size	:	20mm down size coarse aggregate
Reference to BIS codes	:	IS: 383:2016 (Specification for Coarse and fine Aggregates) IS: 2386 :1963(Part - 1,3,4) RA2011 IS 2386 Part 1: Particle Size and Shape IS 2386 Part 3: Specific gravity, Density, Voids,Water Absorption IS 2386 Part 4: Mechanical Properties
Date of test	:	16-06-17

SIEVE ANALYSIS (PARTICLE SIZE DISTRIBUTION) OF 20MM DOWN COARSE AGGREGATE:

Total weight taken : 5000 grams

Sample No.	Sieve No.	Weight Retained in gms	Cumulative Weight Retained in gms	% Cumulative Weight Retained	% Passing	Required as per IS 383:2016
1	40 mm	0	0	0	100	100
2	20 mm	301	301	6.0	94.0	90-100
3	10 mm	2700	3001	60.0	40.0	25-55
4	4.75 mm	1800	4801	96.0	4.0	0-10
5	Pan	199	5000	100	0	–

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TEST REPORT ON COARSE AGGREGATES

Lab ID : CP-2017-06-16-02 **Date: 20-06-2017**

Sample ID No : 2017-06-16-02-02(a)

PHYSICAL PROPERTIES

Sl.no	Tests	Result	Requirements as per IS:383-2016
1	Flakiness Index(%)	12.2	Combined Flakiness & Elongation Index Shall not Exceed 40% for Uncrushed & Crushed Aggregate
2	Elongation Index(%)	11.4	
3	Specific Gravity	2.68	–
4	Bulk Density(Loose) (Kg/l)	1.53	–
5	Bulk Density(Compacted) (Kg/l)	1.58	–
6	Water Absorption(%)	0.19	–
7	Aggregate crushing Value(%)	23.2	Max 30% for Aggregates to be used in concrete for wearing Surface, In case Aggregate Crushing Value Exceeds 30% then the test for ten percent fines should be conducted for Aggregates to be used in concrete other than for wearing Surface.
8	Aggregate Impact Value(%)	22.1	30% for Aggregates to be used in concrete for wearing Surface, 45% for Aggregates to be used in concrete other than for wearing Surface.

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Prepared by
Harshitha

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KARTHIK RECHAN
Authorized Signature
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TEST REPORT ON PHYSICAL REQUIREMENTS OF SOLID CONCRETE BLOCKS

Lab ID	:	CP-2017-06-16-02
		Date: 20-06-17
Customer	:	Assistant Executive Engineer, Yelahanka New Town Sub Division, BBMP, Bangalore.
Address	:	Yelahanka New Town Sub Division, BBMP, Bangalore.
Project Name	:	Providing of Cobble Stone Footpath at Ward No. 03 Attur.
Agency	:	Technical Manager (West), KRIDL, BBMP, Banaglore.
Customer's Reference	:	BBMP/EE(YNK.D)/W.O/70/2016-17
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	16-06-17
Sample ID No	:	2017-06-16-02-04
Sample Type/Size	:	Solid concrete blocks of size (400X200X100)mm
Reference to BIS codes	:	IS : 2185 (Part 1) : 2005(RA 2010) Concrete Masonry Specification Part 1:Hollow and Solid Concrete Blocks (Dimensions -Annex-B, Clause 9.2 and 10 , Block density Annex -C Clause 9.3 and10, Compressive strength Annex -D Clause 9.4 and 10, Water absorption Annex - E Clause 9.5 and 10)
Date of test	:	16-06-17

BLOCK DENSITY:

Sl. No.	Measurement of overall Dimensions of Individual Blocks			Overall Volume of the Block in Cubic Centimetres	Weight of Oven Dried Block in Kilograms to the nearest 10 Gram	Block Density in Kg/cum*10^6	Avg.Block Density in (Kg/cum)	As per IS 2185 (Part 1):2005 (RA 2010)
	Length	Breadth	Height					
	mm	mm	mm	(Cm^3)	Kg	Kg/m^3	Kg/m^3	
1	401	202	201	16281	33.260	2042.8	2060.1	Not less than 1800Kg/m^3
2	402	201	202	16322	33.890	2076.3		
3	401	203	202	16443	33.890	2061.0		

WATER ABSORPTION:

Sl. No.	Wet weight after water absorption	Dry weight (Oven dry)	Water Absorption	Avg.Water Absorption	As per IS 2185 (Part 1):2005 (RA 2010)
	kg	kg	%	%	
1	35.140	33.930	3.57	3.18	Shall not be more than 10% by mass
2	34.160	33.152	3.04		
3	35.325	34.315	2.94		

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Lab ID

Sample ID No : **CP-2017-06-16-02**

: **2017-06-16-02-04**

Date: 20-06-17

DIMENSION ANALYSIS

Sl.no	Length mm	Breadth mm	Height mm	Requirement as per IS 2185(Part 1):2005
1	402	200	201	Length : ± 5mm Breadth : ± 3mm Height : ± 3mm
2	401	201	203	
3	402	203	202	
4	403	202	201	
5	401	201	203	
6	400	203	202	
7	399	201	203	
8	400	202	202	
9	400	201	201	
10	401	202	200	
11	403	203	201	
12	402	200	202	
13	401	203	203	
14	400	202	200	
15	404	201	201	
16	402	202	201	
17	402	200	203	
18	401	201	202	
19	401	203	200	
20	402	202	201	
Average of 20 blocks	**401**	**202**	**202**	

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Lab ID : CP-2017-06-16-02

Sample ID No : 2017-06-16-02-04

Date: 20-06-17

COMPRESSIVE STRENGTH:

Sl. No.	Size of solid block		Area	Failure Load	Compressive strength	Average Compressive strength
	Length	Breadth				
	mm	mm	(mm^2)	(KN)	N/mm^2	(N/mm^2)
1	402	200	80400	372.6	4.6	4.7
2	401	201	80601	381.3	4.7	
3	402	203	81606	382.4	4.7	
4	403	202	81406	392.4	4.8	
5	401	201	80601	379.5	4.7	
6	400	203	81200	370.6	4.6	
7	399	201	80199	377.5	4.7	
8	400	202	80800	392.5	4.9	

As per IS Requirements (Table 2, Clause 5.1, 5.2 and 9.4)

Compressive strength		
Grade	Minimum average	Minimum Individual units.
C (5.0)	5.00 N/mm^2	4.00 N/mm^2
C (4.0)	4.00 N/mm^2	3.20 N/mm^2

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Quality Manager

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Certificate No.: T-4358

TEST REPORT OF FINE AGGREGATE

Lab ID	:	CP-2017-06-16-02 **Date: 20-06-17**
Customer	:	Assistant Executive Engineer, Yelahanka New Town Sub Division, BBMP, Bangalore.
Address	:	Yelahanka New Town Sub Division, BBMP, Bangalore.
Project Name	:	Providing of Cobble stone footpath at Ward No: Attur
Agency	:	Technical Manager (West), KRIDL, BBMP, Bangalore.
Customer's Reference	:	BBMP/EE(YNK.D)/W.O/70/2016-17
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	16-06-17
Sample ID No	:	2017-06-16-02-03
Sample Type	:	Fine Aggregates
Reference to BIS codes	:	IS 383 : 2016 (Specification for Coarse and fine Aggregates) IS: 2386 :1963(Part - 1, 3) RA2012 IS 2386 Part 1: Particle Size and Shape IS 2386 Part 3: Specific gravity, Density, Voids,Water Absorption
Date of test	:	16-06-17
Total weight taken	:	1000 grams

Sl.no	Sieve Size	Weight Retained (gms)	Cumulative Weight Retained (gms)	% Cumulative Weight Retained	% Passing	Requirement as per IS 383:2016			
						Grading Zone I	Grading Zone II	Grading Zone III	Grading Zone IV
1	10 mm	0	0	0	100	100	100	100	100
2	4.75 mm	85	85	8.5	91.5	90-100	90-100	90-100	95-100
3	2.36 mm	201	286	28.6	71.4	60-95	75-100	85-100	95-100
4	1.18 mm	138	424	42.4	57.6	30-70	55-90	75-100	90-100
5	600 micron	178	602	60.2	39.8	15-34	35-59	60-79	80-100
6	300 micron	170	772	77.2	22.8	5-20	8-30	12-40	15-50
7	150 micron	180	952	95.2	4.8	0-10	0-10	0-10	0-15
8	Pan	48	1000	100	0	---	---	---	---

Result :The tested Sample Conforms to Grading Zone II

EP3

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TEST REPORT OF FINE AGGREGATE

Lab ID : **CP-2017-06-16-02** **Date: 20-06-17**

Sample ID No : 2017-06-16-02-03

PHYSICAL PROPERTIES

Sl.no	Tests	Result	Requirements as per IS 383:2016
1	Water Absorption(%)	2.85	–
2	Specific Gravity	2.58	–
3	Material finer than 75 micron(%)	4.8	Uncrushed fine Aggregate Max 3%, Crushed Fine aggregate Max 15%, Mixed Fine aggregate Max 12%, Manufactured Fine aggregate Max 10%

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Authorized Signatory
Quality Manager

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TEST RESULTS OF STEEL

Lab ID	:	**CP-2017-06-19-01**	**Date: 21-06-17**
Customer	:	Assistant Executive Engineer, Yelahanka New Town Sub Division, BBMP, Bangalore.	
Address	:	Yelahanka New Town Sub Division, BBMP, Bangalore.	
Project Name	:	Providing of Cobble Stone Footpath at Ward No. 03 Attur.	
Agency	:	Technical Manager (West), KRIDL, BBMP, Banaglore.	
Customer's Reference	:	BBMP/EE(YNK.D)/W.O/70/2016-17	
Source of Sample	:	Sample supplied by Agency	
Sample Condition	:	Satisfactory	
Date of Receipt	:	19-06-17	
Sample ID No	:	2017-06-19-01/01	
Sample Type	:	Sunvik	
Reference to BIS codes	:	IS 1786-2008, IS:1608-2005(RA 2011), IS 1599-2012.	
Date of test:	:	20-06-17	

Sl.No	Identification of sample	Grade of the sample	Diameter of the steel bar	Weight of the sample	Yield stress	Tensile strength	Elongation	Bend test	Rebend test
			(mm)	(kg/m)	(N/mm2)	(N/mm2)	(%)		
1	Sunvik	Fe550	8	0.392	572	681	20.0%	Satisfactory	Satisfactory
2	Sunvik	Fe550	10	0.615	588	692	20.0%	Satisfactory	Satisfactory

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Quality Manager

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TEST REPORT OF CEMENT CONCRETE CUBES

Date: 29-06-17

Lab ID	:	CP-2017-06-26-01
Customer	:	Assistant Executive Engineer, Yelahanka New Town Sub Division, BBMP, Bangalore.
Address	:	Yelahanka New Town Sub Division, BBMP, Bangalore.
Project Name	:	Providing of Cobble Stone Footpath at Ward No. 03 Attur.
Agency	:	Technical Manager (West), KRIDL, BBMP, Banaglore.
Customer's Reference	:	BBMP/EE(YNK.D)/W.O/70/2016-17
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	26-06-17
Sample ID No	:	2017-06-26-01/01
Customer ID	:	M20 Concrete
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	29/06/2017

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	M20 Concrete	M20	22/06/2017	29/06/2017	151.98 X 148.61 X 150.47	22586	8.064	413.3	18.3	18.4
2	M20 Concrete	M20	22/06/2017	29/06/2017	150.32 X 151.09 X 151.76	22712	8.152	424.7	18.7	
3	M20 Concrete	M20	22/06/2017	29/06/2017	150.43 X 150.97 X 151.38	22710	8.178	411.1	18.1	

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID	:	CP-2017-06-26-01
Customer	:	Assistant Executive Engineer, Yelahanka New Town Sub Division, BBMP, Bangalore.
Address	:	Yelahanka New Town Sub Division, BBMP, Bangalore.
Project Name	:	Providing of Cobble Stone Footpath at Ward No. 03 Attur.
Agency	:	Technical Manager (West), KRIDL, BBMP, Banaglore.
Customer's Reference	:	BBMP/EE(YNK.D)/W.O/70/2016-17
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	26-06-17
Sample ID No	:	2017-06-26-01/02
Customer ID	:	M20 Concrete
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	29/06/2017

Date: 29-06-17

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	M20 Concrete	M20	22/06/2017	29/06/2017	150.22 X 151.09 X 150.22	22697	8.179	397.2	17.5	18.0
2	M20 Concrete	M20	22/06/2017	29/06/2017	151.46 X 150.76 X 150.54	22834	8.106	408.7	17.9	
3	M20 Concrete	M20	22/06/2017	29/06/2017	151.97 X 150.42 X 150.00	22859	8.115	427.5	18.7	

Note:
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Quality Manager

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID	:	CP-2017-06-26-01 **Date: 30-06-17**
Customer	:	Assistant Executive Engineer, Yelahanka New Town Sub Division, BBMP, Bangalore.
Address	:	Yelahanka New Town Sub Division, BBMP, Bangalore.
Project Name	:	Providing of Cobble Stone Footpath at Ward No. 03 Attur.
Agency	:	Technical Manager (West), KRIDL, BBMP, Banaglore.
Customer's Reference	:	BBMP/EE(YNK.D)/W.O/70/2016-17
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	26-06-17
Sample ID No	:	2017-06-26-01/03
Customer ID	:	M20 Concrete
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	30/06/2017

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	M20 Concrete	M20	23/06/2017	30/06/2017	150.22 X 151.09 X 150.22	22697	8.179	397.2	17.5	18.0
2	M20 Concrete	M20	23/06/2017	30/06/2017	151.46 X 150.76 X 150.54	22834	8.106	408.7	17.9	
3	M20 Concrete	M20	23/06/2017	30/06/2017	151.97 X 150.42 X 150.00	22859	8.115	427.5	18.7	

Note:
The results pertain to the samples received and tested.
All information furnished by Customer/Representative
Any correction in the report will make this report invalid
This report without prior written approval should not be reproduced or published in full or part.
Samples will be disposed after 30 days from the date of issue of test certificate

Prepared by
Harsitha

AE W3

AE-01

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CIVIL Pro ★ Sig..... Date..... BANGALORE

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

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4, 7TH MAIN MALLESWARAM, BANGALORE -3

TEST REPORT OF CEMENT CONCRETE KERB STONE

Lab ID	:	CP-2017-06-23-01	**Date: 27-06-17**
Customer	:	Assistant Executive Engineer, Yelahanka New Town Sub Division, BBMP, Bangalore.	
Address	:	Yelahanka New Town Sub Division, BBMP, Bangalore.	
Project Name	:	Providing of Cobble Stone Footpath at Ward No. 03 Attur.	
Agency	:	Technical Manager (West), KRIDL, BBMP, Banaglore.	
Customer's Reference	:	BBMP/EE(YNK.D)/W.O/70/2016-17	
Source of Sample	:	Sample supplied by Agency	
Sample Condition	:	Satisfactory	
Date of Receipt	:	23-06-17	
Sample ID No	:	2017-06-23-01/02	
Sample Type /Size	:	CC Kerb Stone/ 450*165*400mm	
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete	
Date of test	:	23/06/2017	

Sl. No.	Identification Mark	Diameter of the core	Height of the core	Weight of the core	Area	Failure Load	Core Compressive strength	Corrected Cylinder Compressive strength	Equivalent Cube Compressive strength
		(mm)	(mm)	Kg	(Sq.mm)	(KN)	(N/mm2)	(N/mm2)	(N/mm2)
1	A	100.01	165.51	2.864	7854	142.1	18.1	16.8	21.0
2	B	100.03	165.49	8.793	7857	145.2	18.5	18.5	23.1
3	C	100.01	165.50	8.815	7854	145.1	18.5	18.5	23.1

Note:
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CIVIL Pro Sig..... Date..... BANGALORE

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Quality Manager

Prepared by
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AE-03

****End of Report****

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4, 7TH MAIN MALLESWARAM, BANGALORE -3

TEST REPORT OF PRECAST COVER SLAB

Lab ID	:	CP-2017-06-23-01
Customer	:	Assistant Executive Engineer, Yelahanka New Town Sub Division, BBMP, Bangalore. Date: 27-06-17
Address	:	Yelahanka New Town Sub Division, BBMP, Bangalore.
Project Name	:	Providing of Cobble Stone Footpath at Ward No. 03 Attur.
Agency	:	Technical Manager (West), KRIDL, BBMP, Banaglore.
Customer's Reference	:	BBMP/EE(YNK.D)/W.O/70/2016-17
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	23-06-17
Sample ID No	:	2017-06-23-01/01
Sample Type /Size	:	Precast Cover Slab
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete
Date of test	:	23/06/2017

Sl. No.	Identification Mark	Diameter of the core	Height of the core	Weight of the core	Area	Failure Load	Core Compressive strength	Corrected Cylinder Compressive strength	Equivalent Cube Compressive strength
		(mm)	(mm)	(mm)	(Sq.mm)	(KN)	(N/mm^2)	(N/mm^2)	(N/mm^2)
1	Cover Slab-1	100.11	250.51	1.116	7870	142.4	18.1	18.1	22.6
2	Cover Slab-2	100.12	250.51	1.122	7871	141.8	18.0	18.0	22.5
3	Cover Slab-3	100.08	250.49	1.118	7865	144.6	18.4	18.4	23.0

Note:
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Prepared by
Harshitha

AE-01

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CIVIL Pro BANGALORE Sig..... Date.....

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